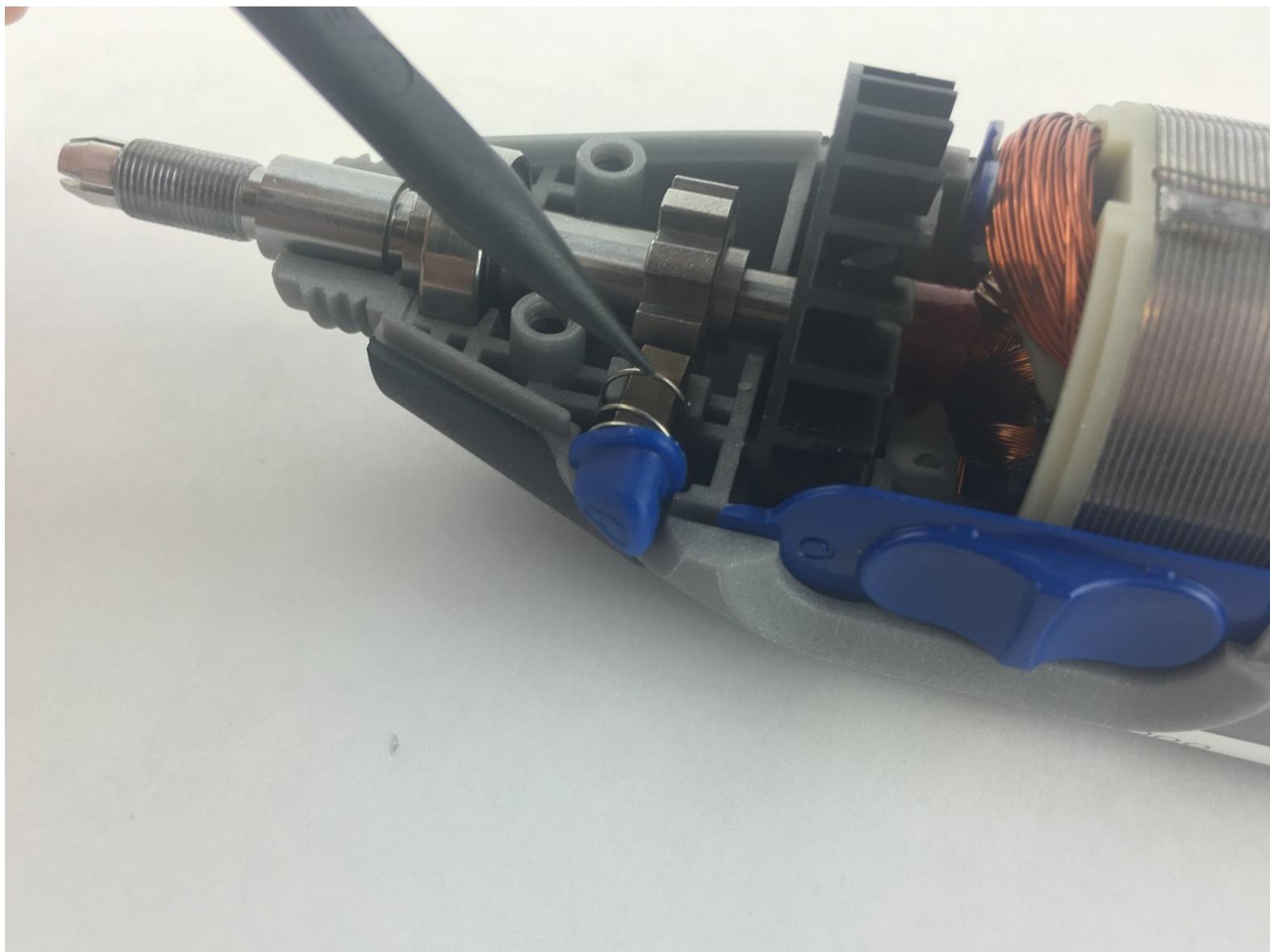




Dremel 4000 Shaft Lock Pin Replacement

This guide will detail how to remove and replace the shaft lock pin on the Dremel 4000.

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INTRODUCTION

This is likely the simplest repair possible for this device. Simply access the shaft lock pin after opening the case.

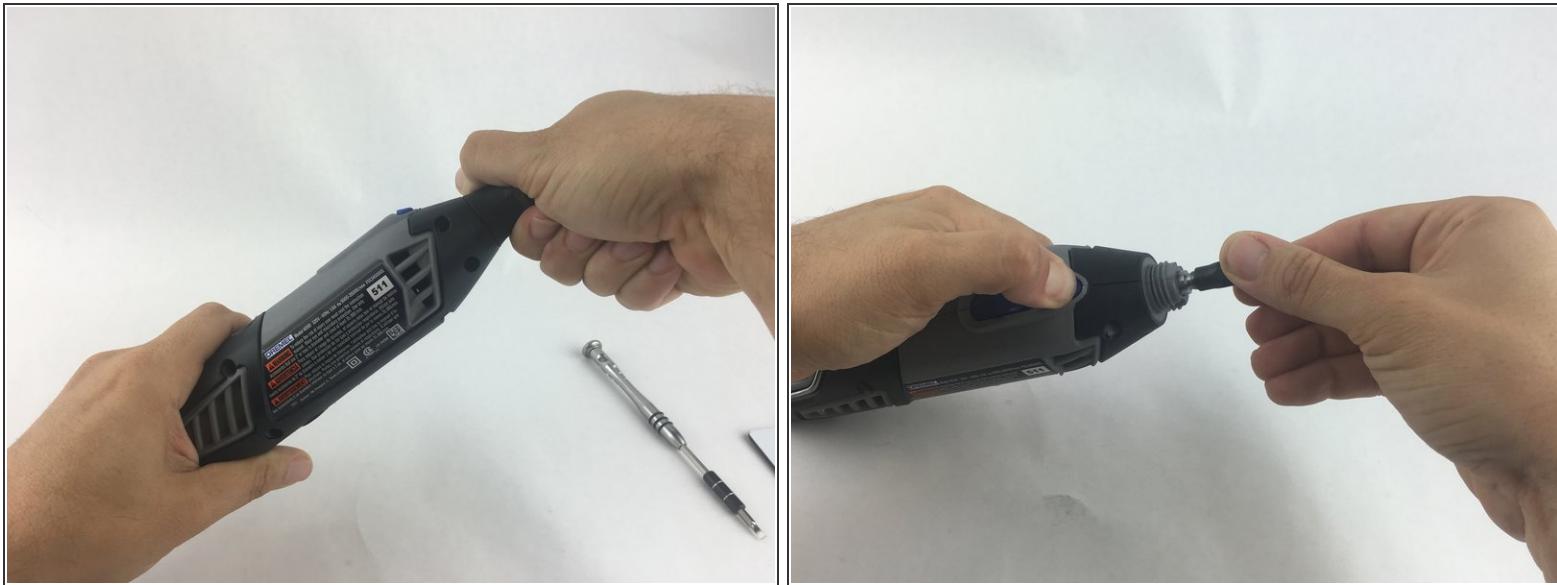
TOOLS:

- T15 Torx Screwdriver (1)
- Flathead 3/32" or 2.5 mm Screwdriver (1)
- iFixit Opening Tools (1)

PARTS:

- Shaft Lock Pin (1)

Step 1 — Back Case



- Start by removing the housing cap by unscrewing it.
- Next, unscrew the now exposed collet nut while holding down the shaft lock button.
- *(i)* To remove the collet nut, you may need to use the small open-end wrench provided with the Dremel.

Step 2



- Using your hands, carefully remove hanger from casing.

Step 3



- Remove the brush caps (one on each side) by using a flathead screwdriver bit.
- *(i)* The brush caps are spring loaded.

Step 4



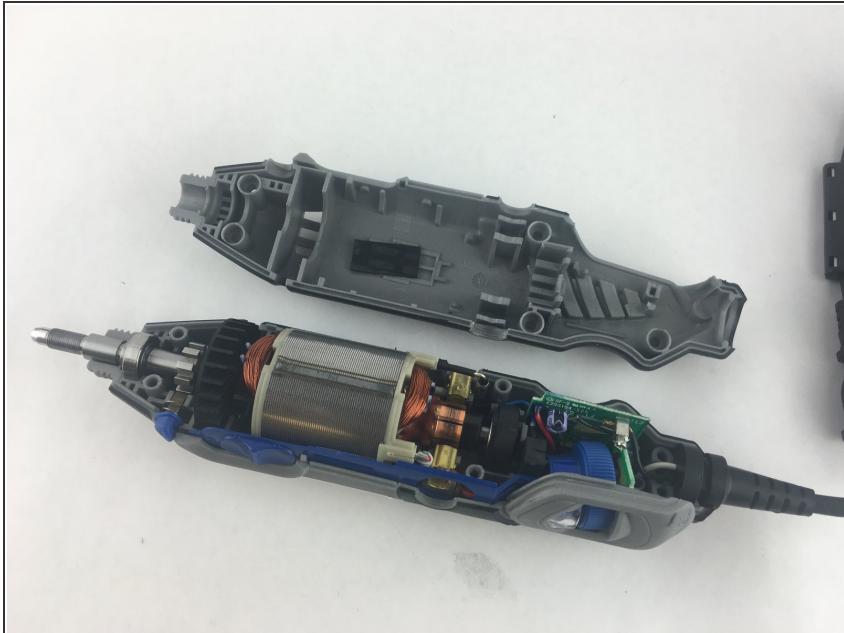
- Using the Torx 15 screwdriver tip, remove the 5 screws (12.5 mm) that hold the casing together.

Step 5



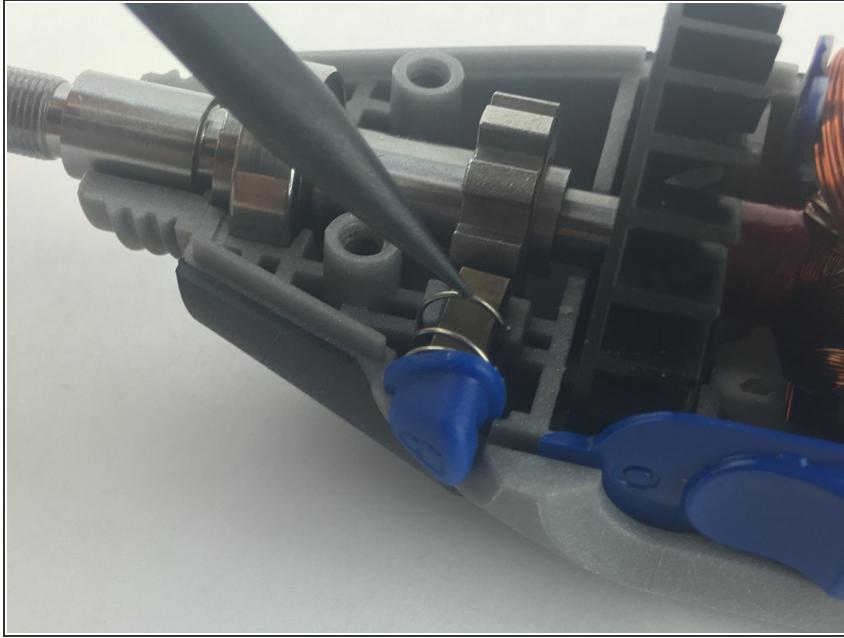
- Use a plastic opening tool to gently wedge apart the hard plastic threads.

Step 6



- Use your hands to carefully remove the back casing so that none of the components fall out.

Step 7 — Shaft Lock Pin



- If the shaft lock pin is not engaging the rotary gear, or if the spring is missing or damaged, it will need to be replaced.
- Remove the damaged shaft lock pin and spring by hand.

 Place new shaft lock pin so that the spring functions and the lock engages the rotary gear.

To reassemble your device, follow these instructions in reverse order.